

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"532196".ap.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:27
L2	0	514/283.ap.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
L3	742	514/283.ccls.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
L4	12	I3 and berberine	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
S1	14	berberin composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/06 15:30
S2	22	berberin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/07 09:26
S3	2688247	composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/06 15:30

10/532,196A Yong Chu 9-7-2006

\$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaylc1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4 MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	5 MAY 11	KOREAPAT updates resume
NEWS	6 MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7 MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	8 MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	9 JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10 JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11 JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12 JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13 JUL 14	FSTA enhanced with Japanese patents
NEWS	14 JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15 AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16 AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17 AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS EXPRESS	JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability	
NEWS LOGIN	Welcome Banner and News Items	
NEWS IPC8	For general information regarding STN implementation of IPC 8	
NEWS X25	X.25 communication option no longer available	

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:14:34 ON 07 SEP 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 07:14:52 ON 07 SEP 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 SEP 2006 HIGHEST RN 905963-91-9

DICTIONARY FILE UPDATES: 6 SEP 2006 HIGHEST RN 905963-91-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

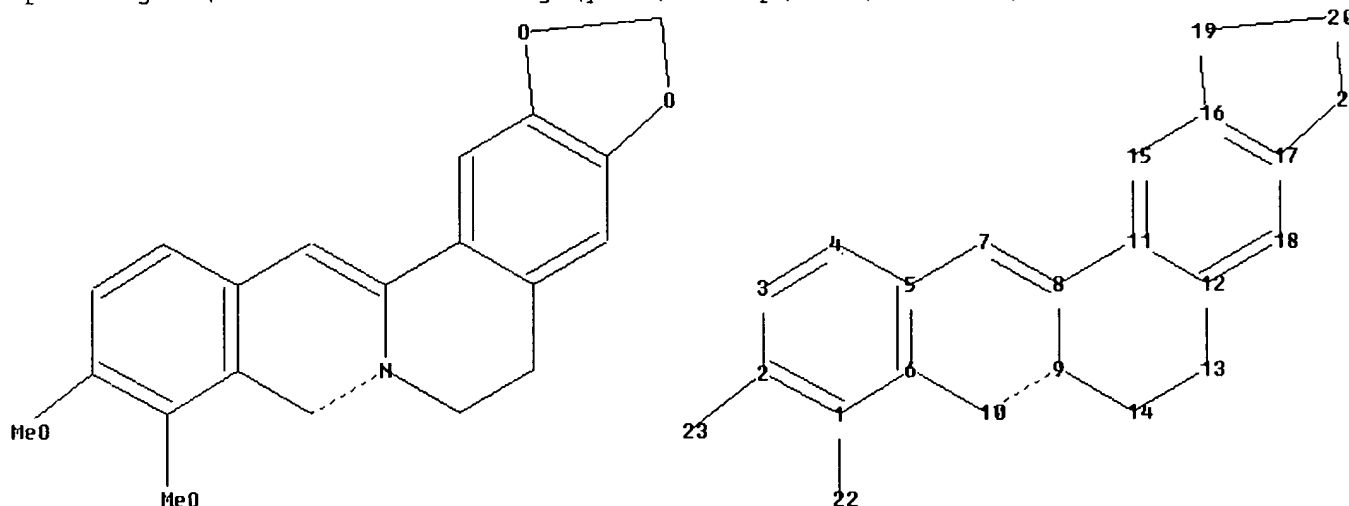
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10532196\10532196.str



chain nodes :

22 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

```

1-22  2-23
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  8-11  9-10  9-14  11-12  11-15
12-13  12-18  13-14  15-16  16-17  16-19  17-18  17-21  19-20  20-21
exact/norm bonds :
5-7  6-10  7-8  8-9  8-11  9-10  9-14  12-13  13-14  16-19  17-21  19-20  20-21

exact bonds :
1-22  2-23
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  11-12  11-15  12-18  15-16  16-17  17-18

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:CLASS 23:CLASS

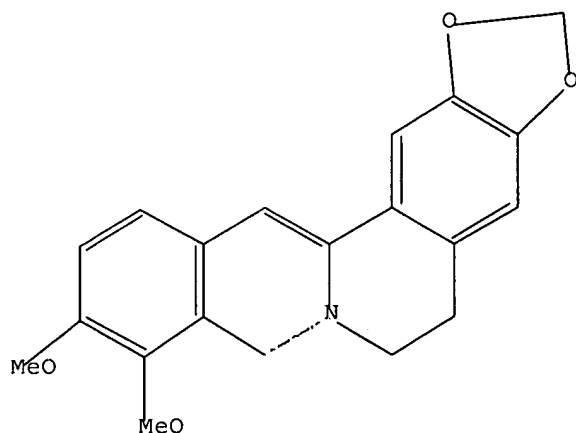
```

L1 STRUCTURE UPLOADED

```

=> d
L1 HAS NO ANSWERS
L1 STR

```



Structure attributes must be viewed using STN Express query preparation.

```

=> s l1
SAMPLE SEARCH INITIATED 07:15:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED          90 ITERATIONS          33 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   1231 TO 2369

```

PROJECTED ANSWERS:

316 TO

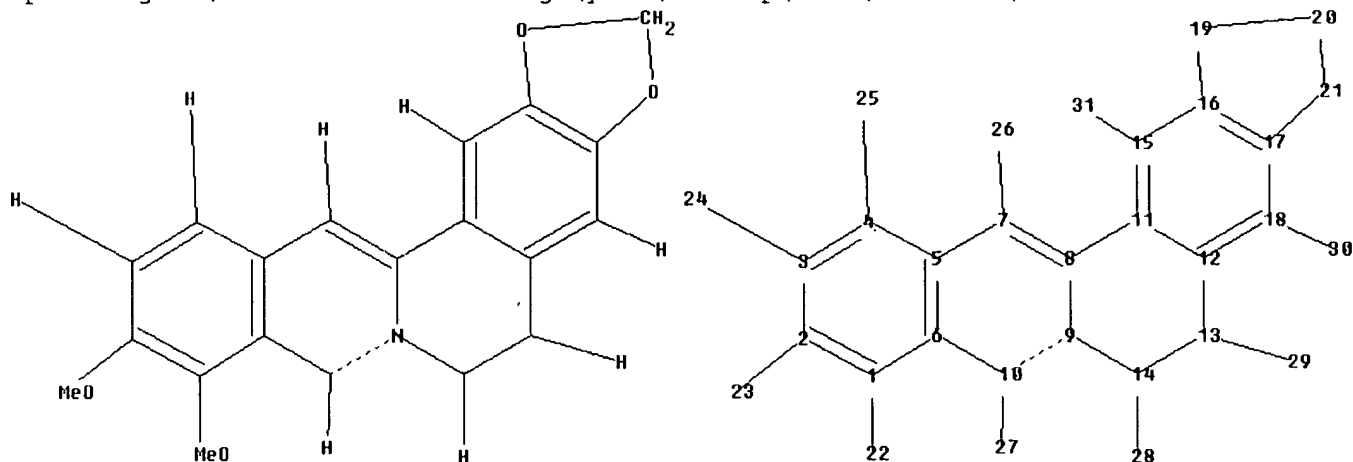
1004

L2

33 SEA SSS SAM L1

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10532196\10532196a.str



chain nodes :

22 23 24 25 26 27 28 29 30 31

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

1-22 2-23 3-24 4-25 7-26 10-27 13-29 14-28 15-31 18-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 11-15

12-13 12-18 13-14 15-16 16-17 16-19 17-18 17-21 19-20 20-21

exact/norm bonds :

5-7 6-10 7-8 8-9 8-11 9-10 9-14 12-13 13-14 16-19 17-21 19-20 20-21

exact bonds :

1-22 2-23 3-24 4-25 7-26 10-27 13-29 14-28 15-31 18-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-15 12-18 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom

22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS

30:CLASS 31:CLASS

L3

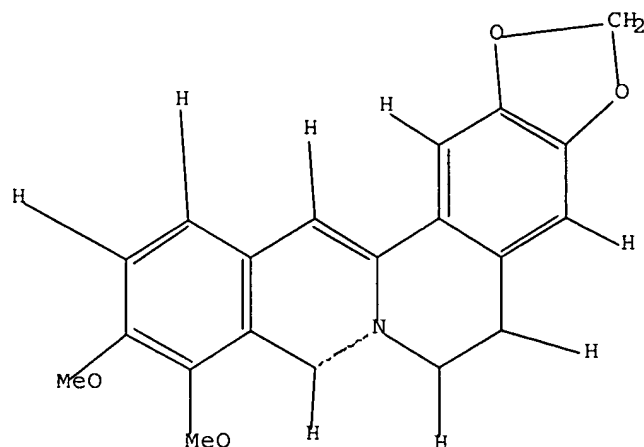
STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3

STR



Structure attributes must be viewed using STN Express query preparation.

=> s l3

SAMPLE SEARCH INITIATED 07:16:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED 90 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1231 TO 2369
PROJECTED ANSWERS: 68 TO 532

L4 15 SEA SSS SAM L3

=> s l3 full

FULL SEARCH INITIATED 07:17:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2125 TO ITERATE

100.0% PROCESSED 2125 ITERATIONS 306 ANSWERS
SEARCH TIME: 00.00.01

L5 306 SEA SSS FUL L3

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	168.26	168.47

FILE 'CAPLUS' ENTERED AT 07:17:20 ON 07 SEP 2006
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FILE LAST UPDATED: 6 Sep 2006 (20060906/ED)

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=> s 15

L6 3273 L5

=> s 16 and morphine

40774 MORPHINE

170 MORPHINES

40822 MORPHINE

(MORPHINE OR MORPHINES)

L7 104 L6 AND MORPHINE

=> s 17 and tolerance

108230 TOLERANCE

8709 TOLERANCES

113678 TOLERANCE

(TOLERANCE OR TOLERANCES)

L8 2 L7 AND TOLERANCE

=> d ibib abs hitstr tot

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:387262 CAPLUS Full-text

DOCUMENT NUMBER: 140:368726

TITLE: Medicament component of berberine for the use of prevention and treatment of psychological dependence on and analgesic tolerance to morphine

INVENTOR(S): Jang, Choon-Gon; Lee, Seok-Yong

PATENT ASSIGNEE(S): Sungkyunkwan University, S. Korea

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2004039372	A1	20040513	WO 2003-KR2280	20031027
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

KR 2004037511	A	20040507	KR 2002-66029	20021029
AU 2003273114	A1	20040525	AU 2003-273114	20031027
CN 1713911	A	20051228	CN 2003-80102287	20031027
JP 2006506460	T2	20060223	JP 2005-501862	20031027
US 2006035917	A1	20060216	US 2005-532196	20050421

PRIORITY APPLN. INFO.:

KR 2002-66029	A	20021029
KR 2003-60353	A	20030829
WO 2003-KR2280	W	20031027

AB Disclosed is a pharmaceutical compn. for preventing and treating addiction to morphine or preventing and inhibiting the development of tolerance to the analgesic effects of morphine, contg. berberine as an effective ingredient, wherein the berberine has an inhibitory effect vs. psychol. dependence on abused drugs such as morphine and the increase of spontaneous locomotor activity upon administration of the drugs. The pharmaceutical compn. and a *Coptis japonica* plant ext. of the invention, which contain berberine, are highly effective in inhibiting the aforementioned symptoms of morphine addiction, and are thus useful for prevention and treatment of addiction to abused drugs such as morphine. In addn., the pharmaceutical compn. addnl. contg. a pharmaceutically acceptable carrier can be applied to prevent and inhibit morphine tolerance caused by repeated administration of morphine, while not affecting the analgesic effects of morphine upon a single administration.

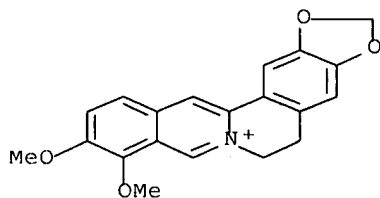
IT 2086-83-1, Berberine

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(berberine for prevention and treatment of psychol. dependence on, and analgesic tolerance to, morphine)

RN 2086-83-1 CAPLUS

CN Benzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, 5,6-dihydro-9,10-dimethoxy-(9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1966:493543 CAPLUS Full-text

DOCUMENT NUMBER: 65:93543

ORIGINAL REFERENCE NO.: 65:17532h,17533a-b

TITLE: Comparative study on the ACTH-releasing activities of berberine, palmatine, and tetrahydropalmatine (corydalis B) in the rat

AUTHOR(S): Liu, Keng-T'ao; Chu, Ya-Chun; Lui, Hai-P'eng

CORPORATE SOURCE: Dept. Pharmacol., Chinese Acad. Med. Sci., Peking

SOURCE: Yaoxue Xuebao (1966), 13(5), 356-62

CODEN: YHHPAL; ISSN: 0513-4870

DOCUMENT TYPE: Journal
LANGUAGE: Chinese

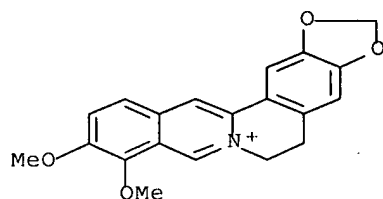
AB In rats, the depletion of adrenal ascorbic acid (I) was used as the criterion for ACTH secretion. Subcutaneous injection of tetrahydropalmatine (II), palmatine (III) at 25 or 50 mg./kg., or berberine (IV) (5 or 10 mg./kg.) significantly depleted the adrenal I content, and the effect of these compds. was abolished by hypophysectomy. Pretreatment with Na pentobarbital (40 mg./kg., given intraperitoneally) completely inhibited the adrenal I-depleting action of H and of IV but not that of III. However, the depletion of adrenal I by II was inhibited completely by a prior injection of morphine (20 mg./kg., given intraperitoneally) into rats under Na pentobarbital anesthesia. The rats developed tolerance to the stimulatory action of II (70 mg./kg./day for 6 days) on the pituitary gland, while IV and III lacked this property. Repeated injections of II (70 mg./kg./day for 6 days) inhibited the release of ACTH activated by cold stress (8 or 4.degree. for 1 hr.) in rats. Although the effects of II, III, and IV on the pituitary adrenal system were similar in some respects there were also differences of the effects of these 3 compds.; this may be due to the differences in the mol. structure, esp. in the 3rd ring of these compds.

IT 2086-83-1, Berberine

(ascorbic acid from adrenals in corticotropin secretion in relation to)

RN 2086-83-1 CAPLUS

CN Benzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, 5,6-dihydro-9,10-dimethoxy-(9CI) (CA INDEX NAME)



=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	16.88	185.35
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

STN INTERNATIONAL LOGOFF AT 07:20:42 ON 07 SEP 2006